Magnetic coupling

- time varying B-field induces voltage
- low freq. B-field is not easily shielded by metals

To reduce
- avoid

Ex.

```
Controller
  Analog IN
  GND

Vsensor
```
- Use magnetic shielding.

- Use isolation transformers, opto-isolators.

4. RF coupling

- Wire leads, circuit parts can act as resonant pickups.

To reduce

- Use shielding

- Keep short leads
Resistive coupling

- wires ≠ equipotentials, have finite resistance
  ⇒ currents flowing thru ground lines can generate

To reduce
- use low resistance ground wires (copper busbars in extreme cases)
- separate grounds for _______ level circuit parts